

Table B30-1
Summary of Chemical Constituents Detected in Surface Soil, March 2000
Solid Waste Management Unit B-30

	Sample ID Sample Date Sample Type Soil Type Beginning Depth Ending Depth Lab ID	RW-B30-SS01				RW-B30-SS01				RW-B30-SB01				RW-B30-SS02				RW-B30-SS02				RW-B30-SS03				
		03/13/00 N1 Soil (Kr) 0 0.5 AP89774/Q0688				03/13/00 FD1 Soil (Kr) 0 0.5 AP89777/Q0689				03/13/00 N1 Soil (Kr) 0.5 1 AP89773/Q0687				03/13/00 N1 Soil (Kr) 0 0.5 AP89782/Q0692				03/13/00 FD1 Soil (Kr) 0 0.5 AP89785/Q0693				03/13/00 N1 Soil (Kr) 0 0.5 AP89766/Q0684				
		Soil Comparison Criteria								Soil Comparison Criteria								Soil Comparison Criteria								
		Lab MDL	Lab RL	Background ^a Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																										
Barium	0.044	1.0	186	200	59,000	42.4	5	5.0	39.6	5	5.0	28.5	5	5.0	15.3	5	5.0	15.9	5	5.0	33.9	5	5.0			
Chromium	0.078	20.0	40.2	10	350,000	13.7	F	5 100.0	12.6	F	5 100.0	10.2	F	5 100.0	7.7	F	5 100.0	7.5	F	5 100.0	10.0	F	5 100.0			
Copper	0.072	2.0	23.2	130	74,000	7.8	F	5 10.0	7.5	F	5 10.0	8.5	F	5 10.0	5.6	F	5 10.0	5.6	F	5 10.0	47.3		5 10.0			
Nickel	0.118	2.0	35.5	200	12,000	10.1		5 10.0	9.6	F	5 10.0	7.5	F	5 10.0	6.3	F	5 10.0	6.2	F	5 10.0	8.4	F	5 10.0			
Zinc	0.42	2.0	73.2	3,100	41,000	29.3	B	5 10.0	29.3	B	5 10.0	67.1	B	5 10.0	17.3	B	5 10.0	18.8	B	5 10.0	93.2	B	5 10.0			
SW7060A (mg/kg)																										
Arsenic	0.032	0.5	19.6	5	200	3.70	J	1 0.5	3.81	J	1 0.5	4.90	J	2 1.0	3.74	J	1 0.5	3.35	J	1 0.5	9.75	J	5 2.5			
SW7131A (mg/kg)																										
Cadmium	0.022	0.1	3.00	0.5	410	0.20	J	1 0.1	0.19	J	1 0.1	0.32	J	1 0.1	0.09	F	1 0.1	0.09	F	1 0.1	0.42	J	1 0.1			
SW7421 (mg/kg)																										
Lead	0.069	0.5	84.5	1.5	1,000	22.30	M	10 5.0	22.71	M	10 5.0	56.54	J	20 10	23.79	M	10 5.0	29.18	M	10 5.0	86.46	M	20 10.0			
SW7471A (mg/kg)																										
Mercury	0.024	0.1	0.77	0.2	9.6	0.024	U	1 0.1	0.03	F	1 0.1	0.08	F	1 0.1	0.024	U	1 0.1	0.024	U	1 0.1	0.024	U	1 0.1			
SW8260B (mg/kg)																										
Methylene chloride	0.0007	0.005	--	0.5	16	0.0050		1 0.005				0.0007	U	1 0.005	0.0007	U	1 0.005	0.0007	U	1 0.005	0.0007	U	1 0.005			
Naphthalene	0.001	0.02	--	200	270	0.002	F	1 0.02				0.002	F	1 0.02	0.001	U	1 0.02	0.001	U	1 0.02	0.003	F	1 0.02			
Toluene	0.0003	0.005	--	100	24,000	0.0003	U	1 0.005				0.0003	U	1 0.005	0.0003	U	1 0.005	0.0003	U	1 0.005	0.0005	F	1 0.005			
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	NA	NA	0.0008	M	1 0.004				0.0008	M	1 0.004	0.0008	M	1 0.004	0.0008	M	1 0.004	0.0013	M	1 0.004			
SW8270C (mg/kg)																										
Benzo(a)anthracene	0.04	0.7	--	0.039	3.4	0.04	U	1 0.7	0.04	U	1 0.7	1.00	F	5 3.5	0.06	F	1 0.7	0.04	U	1 0.7	0.20	F	1 0.7			
Benzo(a)pyrene	0.05	0.7	--	0.02	0.34	0.05	U	1 0.7	0.05	U	1 0.7	1.10	F	5 3.5	0.06	F	1 0.7	0.05	U	1 0.7	0.21	F	1 0.7			
Benzo(b)fluoranthene	0.06	0.7	--	0.039	3.4	0.06	U	1 0.7	0.06	U	1 0.7	1.80	F	5 3.5	0.11	F	1 0.7	0.06	U	1 0.7	0.39	F	1 0.7			
Benzo(g,h,i)perylene	0.04	0.7	--	310	27,000	0.04	U	1 0.7	0.04	U	1 0.7	0.92	F	5 3.5	0.04	U	1 0.7	0.04	U	1 0.7	0.14	F	1 0.7			
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	0.6	65	0.03	U	1 0.7	0.03	U	1 0.7	0.15	U	5 3.5	0.03	U	1 0.7	0.03	U	1 0.7	0.04	F	1 0.7			
Chrysene	0.04	0.7	--	3.9	340	0.04	U	1 0.7	0.04	U	1 0.7	1.10	F	5 3.5	0.07	F	1 0.7	0.04	U	1 0.7	0.23	F	1 0.7			
Fluoranthene	0.04	0.7	--	410	36,000	0.05	F	1 0.7	0.04	U	1 0.7	2.50	F	5 3.5	0.14	F	1 0.7	0.07	F	1 0.7	0.42	F	1 0.7			
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	0.039	3.4	0.04	U	1 0.7	0.04	U	1 0.7	0.47	F	5 3.5	0.04	U	1 0.7	0.04	U	1 0.7	0.08	F	1 0.7			
Naphthalene	0.04	0.7	--	200	270	0.04	U	1 0.7	0.04	U	1 0.7	0.20	U	5 3.5	0.04	U	1 0.7	0.04	U	1 0.7	0.04	U	1 0.7			
Phenanthrene	0.04	0.7	--	310	27,000	0.04	U	1 0.7	0.04	U	1 0.7	1.00	F	5 3.5	0.07	F	1 0.7	0.04	U	1 0.7	0.08	F	1 0.7			
Pyrene	0.05	0.7	--	310	27,000	0.05	U	1 0.7	0.05	U	1 0.7	2.70	F	5 3.5	0.12	F	1 0.7	0.05	U	1 0.7	0.41	F	1 0.7			

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix A.

All samples were analyzed by APPL Inc. and O'Brien and Gere Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32207

O'Brien and Gere: 4975, 5012

All MS/MSD results are presented in the Data Verification Reports, Appendix D.

Data Qualifiers:

B-The analyte was found in an associated blank, as well as in the sample.

F-The analyte was positively identified, but the associated numerical value is below the RL.

J - The analyte was positively identified, the quantitation is an estimation.

M - A matrix effect was present.

R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

Abbreviations and Notes:

Bolded and highlighted samples indicate results greater than RRS1 Standards.

Boxed sample concentrations exceed RRS2 Standards.

-- No risk reduction standard or background level available

a Background level from Revised Background Report, February 2002

DL Dilution

FD1 Field Duplicate

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

MDL Method Detection Limit

N1 Environmental Sample

NA Not Available

RL Reporting Limit

SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

SQL Sample Quantitation Limit